WEST Search History

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DATE: Friday, May 25, 2007

Hide?	Set Name	Query	Hit Count
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=OR		
☐	L5	L4 and "pyrazolo"	15
☐	L4	l3 and "naphthyridine"	89
☐	L3	514/303	1504
☐	L2	L1 and "naphthyridine"	38
☐	L1	546/84	307

END OF SEARCH HISTORY

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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS 3	JAN 16	CA/CAplus Company Name Thesaurus enhanced and reloaded
NEWS 4	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS 5	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS 6	JAN 22	CA/CAplus updated with revised CAS roles
NEWS 7	JAN 22	CA/CAplus enhanced with patent applications from India
NEWS 8	JAN 29	PHAR reloaded with new search and display fields
NEWS 9	JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS 10	FEB 15	PATDPASPC enhanced with Drug Approval numbers
NEWS 11	FEB 15	RUSSIAPAT enhanced with pre-1994 records
NEWS 12	FEB 23	KOREAPAT enhanced with IPC 8 features and functionality
NEWS 13	FEB 26	MEDLINE reloaded with enhancements
NEWS 14	FEB 26	EMBASE enhanced with Clinical Trial Number field
NEWS 15	FEB 26	TOXCENTER enhanced with reloaded MEDLINE
NEWS 16	FEB 26	IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS 17	FEB 26	CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases
NEWS 18	MAR 15	WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS 19	MAR 16	CASREACT coverage extended
NEWS 20	MAR 20	MARPAT now updated daily
NEWS 21	MAR 22	LWPI reloaded
NEWS 22	MAR 30	RDISCLOSURE reloaded with enhancements
NEWS 23	APR 02	JICST-EPLUS removed from database clusters and STN
NEWS 24	APR 30	GENBANK reloaded and enhanced with Genome Project ID field
NEWS 25	APR 30	CHEMCATS enhanced with 1.2 million new records
NEWS 26	APR 30	CA/CAplus enhanced with 1870-1889 U.S. patent records
NEWS 27	APR 30	INPADOC replaced by INPADOCDB on STN
NEWS 28	MAY 01	New CAS web site launched
NEWS 29	MAY 08	CA/CAplus Indian patent publication number format defined
NEWS 30	MAY 14	RDISCLOSURE on STN Easy enhanced with new search and display fields
NEWS 31	MAY 21	BIOSIS reloaded and enhanced with archival data
NEWS 32	MAY 21	TOXCENTER enhanced with BIOSIS reload
NEWS 33	MAY 21	CA/CAplus enhanced with additional kind codes for German patents
NEWS 34	MAY 22	CA/CAplus enhanced with IPC reclassification in Japanese patents

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

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* * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 14:07:49 ON 25 MAY 2007

=> file registry
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.21       0.21

FILE 'REGISTRY' ENTERED AT 14:07:58 ON 25 MAY 2007
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STRUCTURE FILE UPDATES:   24 MAY 2007  HIGHEST RN 935837-89-1
DICTIONARY FILE UPDATES:  24 MAY 2007  HIGHEST RN 935837-89-1

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TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

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REGISTRY includes numerically searchable data for experimental and
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experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

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Uploading C:\Program Files\Stnexp\Queries\10533806.str

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L1 HAS NO ANSWERS
L1              STR
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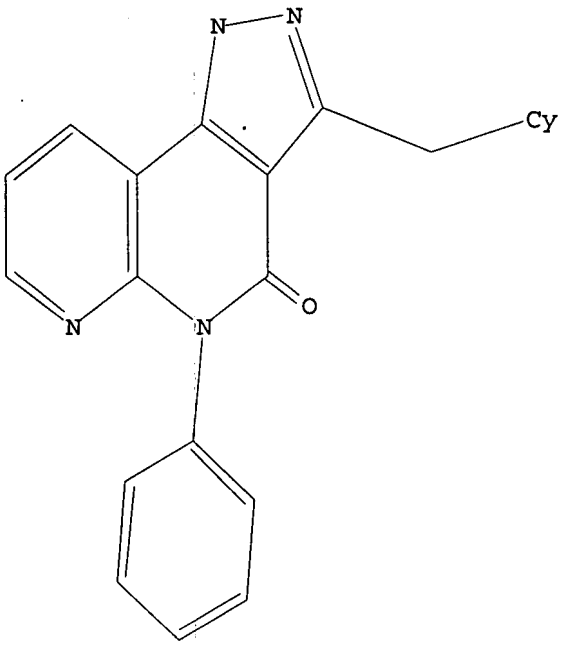

Structure attributes must be viewed using STN Express query preparation.

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100.0% PROCESSED       17 ITERATIONS                                 6 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:           93 TO      587
PROJECTED ANSWERS:               6 TO      266

L2             6 SEA SSS SAM L1

=> s l1 ful
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FULL SCREEN SEARCH COMPLETED -      371 TO ITERATE

100.0% PROCESSED      371 ITERATIONS                                73 ANSWERS
SEARCH TIME: 00.00.01

L3            73 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   172.10     172.31

FILE 'CAPLUS' ENTERED AT 14:08:34 ON 25 MAY 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 25 May 2007 VOL 146 ISS 23
FILE LAST UPDATED: 24 May 2007 (20070524/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l3
L4 2 L3

=> d abs bib fhitstr 1-2

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

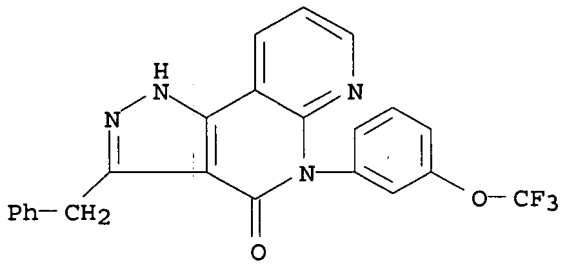
AB Title compds. I [ring A = N-containing heterocycle or homocarbocyclic ring; ring B = homocarbocyclic ring; -R6- = direct bond, :C(R6c)-, -C(R6c):, etc.; R6c = H, alkyl, alkenyl, etc.; ring C = aromatic or non aromatic ring; R4, R5 = H, alkyl, aryl, etc.; when R6 is a direct bond or a divalent group, r is 1; when R6 is :C(R6c)-, r is 0; when R6 is a direct bond or a divalent group, s is 1; when R6 is -C(R6c):, s is 0; ring D = N-containing unsatd. 6-membered ring which has oxo group on 2-position; R1 = optionally substituted alkyl with hydroxyl, halo, nitro, etc., optionally substituted alkoxy or Q1; ring E = heterocycle which contains at least one hetero atom selected from N, O and S or homocarbocyclic ring; R7 = halo, hydroxyl, cyano, etc.; t = 0-5; R2 = halo, (un)substituted alkyl, hydroxyl, etc.; R3 = halo, hydroxyl, cyano, etc.; p, q = 0-5; further details on ring C and R1 are given.] and salts thereof were prepared For example, reaction of 4-hydroxy-1-(3-trifluoromethoxyphenyl)-1,8-naphthyridin-2(1H)-one with phenylacetyl chloride followed by cyclization with hydrazine hydrate afforded compound II. In PDE IV inhibition assays, the IC50 value of compound II was 0.003 μM. Compds. I are claimed useful for the treatment of respiratory diseases such as chronic bronchial asthma, atopic asthma, etc.
AN 2007:330209 CAPLUS
DN 146:337881
TI Preparation of naphthyridine compounds as PDE IV inhibitors
IN Kanazawa, Hashime; Aotsuka, Tomoji; Kumazawa, Kentarou; Ishitani, Kouki; Nose, Takashi

PA Aska Pharmaceutical Co., Ltd., Japan
SO PCT Int. Appl., 123pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007032466	A1	20070322	WO 2006-JP318348	20060915

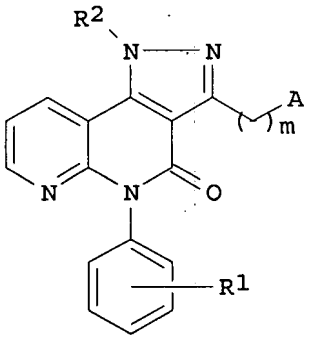
PI
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRAI JP 2005-268527 A 20050915
OS MARPAT 146:337881
IT 929611-78-9P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pyrazolonaphthyridine compds. as PDE IV inhibitors)
RN 929611-78-9 CAPLUS
CN 4H-Pyrazolo[4,3-c][1,8]naphthyridin-4-one, 1,5-dihydro-3-(phenylmethyl)-5-[3-(trifluoromethoxy)phenyl]- (CA INDEX NAME)



RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
GI



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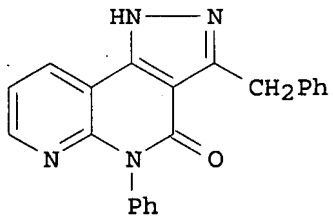


II

AB The title compds. I [wherein A = OH, halo, CN, NO2, alkyl, alkoxy, alkylcarbonyloxy, amino, etc.; R1 = H, OH, halo, CN, NO2, alkoxy, amino, CO2H, or alkoxycarbonyl, R2 = H or alkyl; m = 0-3] or pharmaceutically acceptable salts thereof are prepared as phosphodiesterase (PDE) IV inhibitors for the treatment of asthma and chronic obstructive pulmonary disease (COPD). For example, the compound II was prepared in a multi-step synthesis in good yield. II showed inhibitory activity with IC50 of 0.084 μM against PDE IV, and antiasthmatic effect with ED50 of 0.16 mg/kg. Formulations containing I as an active ingredient were also described.

AN 2004:412944 CAPLUS

DN 140:423669

TI Preparation of pyrazolonaphthyridine derivatives as PDE IV inhibitors for treatment of COPD

IN Kanazawa, Hashime; Aotsuka, Tomoji; Kumazawa, Kentarou; Ishitani, Kouki; Nose, Takashi

PA Grelan Pharmaceutical Co., Ltd., Japan

SO PCT Int. Appl., 93 pp.
CODEN: PIXXD2

DT Patent

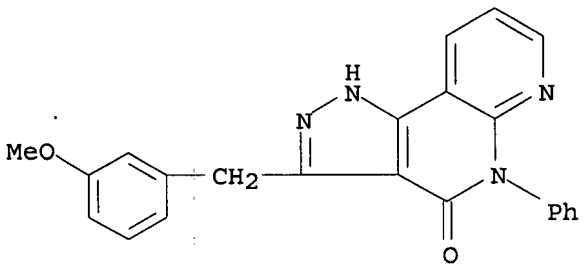
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004041819	A1	20040521	WO 2003-JP14119	20031105
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2504820	A1	20040521	CA 2003-2504820	20031105
	AU 2003277562	A1	20040607	AU 2003-277562	20031105
	EP 1559716	A1	20050803	EP 2003-810609	20031105
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	CN 1717409	A	20060104	CN 2003-80104070	20031105
	US 2006040972	A1	20060223	US 2005-533806	20050505
PRAI	JP 2002-322000	A	20021106		
	WO 2003-JP14119	W	20031105		

OS MARPAT 140:423669

IT 690690-84-7P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(drug candidate; preparation of pyrazolonaphthyridine derivs. as PDE IV inhibitors)
RN 690690-84-7 CAPLUS
CN 4H-Pyrazolo[4,3-c][1,8]naphthyridin-4-one, 1,5-dihydro-3-[(3-methoxyphenyl)methyl]-5-phenyl- (9CI) (CA INDEX NAME)



RE.CNT 61 THERE ARE 61 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file registry

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	14.77	187.08

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.56	-1.56

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STRUCTURE FILE UPDATES: 24 MAY 2007 HIGHEST RN 935837-89-1
DICTIONARY FILE UPDATES: 24 MAY 2007 HIGHEST RN 935837-89-1

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http://www.cas.org/support/stngen/stndoc/properties.html

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L5 STRUCTURE UPLOADED

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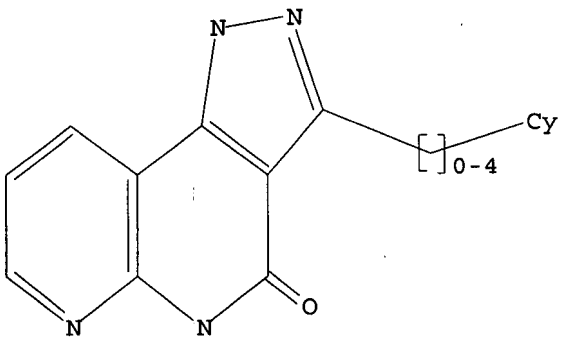
L5 HAS NO ANSWERS
L5 STR



Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED - 69 TO ITERATE

100.0% PROCESSED 69 ITERATIONS 7 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 882 TO 1878
PROJECTED ANSWERS: 7 TO 298

L6 7 SEA SSS SAM L5

=> s l5 ful
FULL SEARCH INITIATED 14:14:38 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1507 TO ITERATE

100.0% PROCESSED 1507 ITERATIONS 107 ANSWERS
SEARCH TIME: 00.00.01

L7 107 SEA SSS FUL L5

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	172.10	359.18

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.56

FILE 'CAPLUS' ENTERED AT 14:14:43 ON 25 MAY 2007
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FILE COVERS 1907 - 25 May 2007 VOL 146 ISS 23
FILE LAST UPDATED: 24 May 2007 (20070524/ED)

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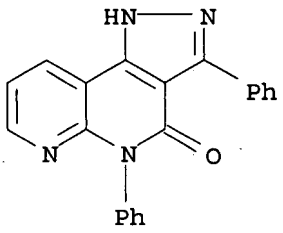
They are available for your review at:

http://www.cas.org/infopolicy.html

```
=> s l7
L8            5 L7

=> d his

     (FILE 'HOME' ENTERED AT 14:07:49 ON 25 MAY 2007)

     FILE 'REGISTRY' ENTERED AT 14:07:58 ON 25 MAY 2007
L1               STRUCTURE UPLOADED
L2             6 S L1
L3            73 S L1 FUL

     FILE 'CAPLUS' ENTERED AT 14:08:34 ON 25 MAY 2007
L4             2 S L3

     FILE 'REGISTRY' ENTERED AT 14:14:14 ON 25 MAY 2007
L5               STRUCTURE UPLOADED
L6             7 S L5
L7           107 S L5 FUL

     FILE 'CAPLUS' ENTERED AT 14:14:43 ON 25 MAY 2007
L8             5 S L7

=> s l8 not l4
L9             3 L8 NOT L4

=> d abs bib fhitstr 1-3

L9   ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2007 ACS on STN
AB   KF19418, a newly synthesized compound, stimulated proliferation of cultured
     hair bulb cells from new born mice in concentration-dependent manner in the
range
     under 10 μM. In the culture system of whole skin pieces from 4-wk-old
     mice which we earlier established, KF19418 promoted hair follicle
     elongation as in the case of minoxidil.  After topical application for 2
```

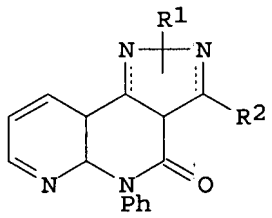
wk of KF19418 or minoxidil to dorsal skin of hair-clipped mouse alopecia model, KF19418 at 1% suspension accelerated hair regrowth at a rate comparable to 1% minoxidil solution Thus, it was shown that KF19418 directly stimulated hair follicle in vitro and had hair growth promoting activities in vivo.

AN 2001:163091 CAPLUS
DN 135:205483
TI KF19418, a new compound for hair growth promotion in vitro and in vivo mouse models
AU Shirai, A.; Ikeda, J.-i.; Kawashima, S.; Tamaoki, T.; Kamiya, T.
CS Kyowa Hakko Kogyo Co., Ltd., Tokyo Research Laboratories, Tokyo, Japan
SO Journal of Dermatological Science (2001), 25(3), 213-218
CODEN: JDSCEI; ISSN: 0923-1811
PB Elsevier Science Ireland Ltd.
DT Journal
LA English
IT 147508-06-3, KF 19418
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(KF19418, a new compound for hair growth promotion in vitro and in vivo mouse models)
RN 147508-06-3 CAPLUS
CN 4H-Pyrazolo[4,3-c][1,8]naphthyridin-4-one, 1,5-dihydro-3,5-diphenyl- (9CI) (CA INDEX NAME)



RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
GI



I

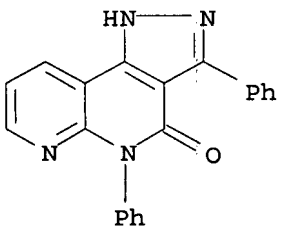
AB Title compds. I (R1 = H, alkyl, aralkyl, (substituted) aryl; R2 = H, alkyl, thienyl, (substituted) aryl, HO, H2N) or a salt thereof, useful as antiinflammatories, immunosuppressants, bronchodilators and hair-growth stimulants, are prepared 4-Hydroxy-1-phenyl[1,8]naphthyridin-2(1H)-one was

added to AcOH and polyphosphoric acid to give 3-acetyl-4-hydroxy-1-phenyl[1,8]naphthyridin-2(1H)-one to which in AcOH was added H2NNH2.H2O to give I (R1 = 1H, R2 = Me) (II). Immunosuppressant activity was shown by II which inhibited antibody production 88.8 and 92.4% at 10-6 and 10-5M, resp. Pharmaceutical formulations comprising I are given.

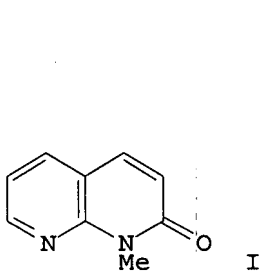
AN 1993:254929 CAPLUS
DN 118:254929
TI Preparation of condensed naphthyridine derivatives as drugs
IN Suzuki, Fumio; Kawakita, Takashi; Kuroda, Takeshi; Ohmori, Kenji; Nakajima, Hiroshi; Kamiya, Toshikazu; Tamaoki, Tatsuya
PA Kyowa Hakko Kogyo Co., Ltd., Japan
SO Eur. Pat. Appl., 25 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 526840	A1	19930210	EP 1992-113015	19920730
	EP 526840	B1	19971022		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, MC, NL, PT, SE				
	JP 05194515	A	19930803	JP 1992-201168	19920728
	CA 2074876	A1	19930201	CA 1992-2074876	19920729
	CA 2074876	C	19970610		
	AT 159525	T	19971115	AT 1992-113015	19920730
	ES 2109962	T3	19980201	ES 1992-113015	19920730
	US 5281610	A	19940125	US 1992-993920	19921218
PRAI	JP 1991-191909	A	19910731		
	US 1992-921720	B1	19920730		

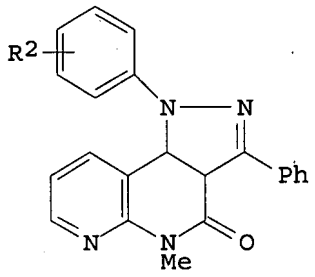
OS MARPAT 118:254929
IT 147508-06-3P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as drug)
RN 147508-06-3 CAPLUS
CN 4H-Pyrazolo[4,3-c][1,8]naphthyridin-4-one, 1,5-dihydro-3,5-diphenyl- (9CI) (CA INDEX NAME)



L9 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
GI



I



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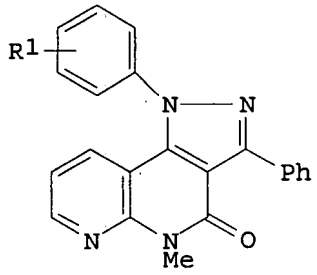


III

AB Naphthyridinone derivative I underwent a cycloaddn.-cyclocondensation reaction with hydrazines R1C6H4NHN:CClPh (R1 = H, Cl, Br) to give title compds. II(R2 = H, Cl) and III(R1 = H, Cl, Br). II were dehydrogenated by chloranil to give the resp. III. None of the compds. prepared showed any ability to displace [3H]-flunitrazepam from its binding to the receptors of rat brain membranes.

AN 1988:186640 CAPLUS

DN 108:186640

TI Synthesis and binding study of pyrazolo[4,5-c][1,8]naphthyridines

AU Cecchi, L.; Colotta, V.; Filacchioni, G.; Melani, F.; Palazzino, G.; Galli, A.

CS Dip. Sci. Farm., Univ. Firenze, Florence, Italy

SO Farmaco, Edizione Scientifica (1987), 42(9), 671-80
CODEN: FRPSAX; ISSN: 0430-0920

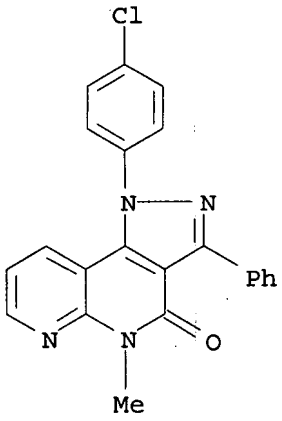
DT Journal

LA English

IT 114197-54-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 114197-54-5 CAPLUS

CN 4H-Pyrazolo[4,3-c][1,8]naphthyridin-4-one, 1-(4-chlorophenyl)-1,5-dihydro-5-methyl-3-phenyl- (9CI) (CA INDEX NAME)


Cl
N
N
Ph
N
N
O
Me